THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI SOMPAL): (a) Yes, Sir. The Government is aware of the threat posed by the changing course of the Ravi river along the Indo-Pak border.

(b) Due to construction of flood embankments and spurs on the Pakistan side, due to general country slope, from north-west to south-east and also due to meandering of river Ravi, there is more concentration of flow of river Ravi towards Indian side causing, soil erosion resulting in damages to cultivated land, crops and border installations at some sites along the river in border districts.

(c) Yes, Sir.

(d) Counter protective works are undertaken by Government of Punjab as and when needed from their own financial resources as well as from the financial assistance provided by Government of India. A Committee on Special Remedial Works for Flood Protection Embankments on Sutlej and Ravi constituted in 1989, examines the proposals of the Government of Punjab and recommends specific works to be executed after visit of the affected areas since 1990.

**Digging of Wells by CGWB**

2166. SHRI BRAHMAKUMAR BHATT: Will the PRIME MINISTER be pleased to state:

(a) whether digging of wells has been undertaken by the Central Groundwater Board (CGWB) during 1997-98;

(b) if so, the details thereof, State-wise and location-wise;

(c) whether some locations have been selected for drilling of bore holes in Gujarat during 1998-99;

(d) if so, the details thereof, district-wise and location-wise;-

(e) the criterion laid down by the Central Ground Water Board to select the location for drilling bore holes; and

(0 the time by which the bore holes work is likely to be started in the States?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI SOMPAL): (a) and (b) Yes. Sir. State-wise and District-wise details of wells drilled by the Central Ground Water Board (CGWB) during 1997-98 are given in the Statement-I *(see below)*

(c) and (d) The Central Ground Water Board has fixed a target of drilling 79 bore holes in Gujarat during 1998-99 as per details given in Statement-Il *{see below).* Actual locations of wells depend on the requests of the State Govemment, results of the studies of remote sensing, geophysical survey and hydrogeological mapping.

(e) The criteria for selection of locations for drilling of bore holes by the Central Ground Water Board include the need for ascertaining the availability, quality and quantity of ground water for requests of the State Governments for ground water development, results of remote sensing, geo-phsical surveys and hydrogeological mapping.

(f) Drilling of bore holes is a continuous process and is undertaken by the Central Ground Water Board under its normal programme of work on annual basis in different parts of the country. The programme of drilling in 1998-99 has already commenced in April, 1998.

**Statement-I**

*Details of wells drilled by the Central Ground Water Board during 1997-98*

| S. No. | State | No. of wells drilled |
|---|---|---|
| 1. | ANDHRA PRADESH | 73 |
| | (1) Chittoor | 4 |
| | (2) Cuddapah | 20 |
| | (3) East Godavari | 11 |
| | (4) Guntur | 5 |
| | (S) Nalgonda | 17 |
| | (6) Nellore | 16 |
| 2. | ARUNACHAL PRADESH | 1 |
| | (1) Changlong | 1 |

| S. No. | State | No. of wells |
|---|---|---|
| **3.** | **ASSAM** | 15 |
| | (1) Kamrup | 1 |
| | (2) Goalpara | 6 |
| | (3) North Lakhimpur | 1 |
| | (4) Sonitpur | 1 |
| | (S) Sibasagar | 6 |
| **4.** | **BIHAR** | 30 |
| | (1) Banka | 3 |
| | (2) Bettiah | 2 |
| | (3) Dumka | 2 |
| | (4) Hazaribagh | 10 |
| | (S) Jehanabad | 1 |
| | (6) Madhubani | 4 |
| | (7) Nalanda | 7 |
| | (8) Ranchi | 1 |
| **5.** | **GUJARAT** | 75 |
| | (1) Banaskantha | 6 |
| | (2) Jamnagar | 10 |
| | (3) Junagarh | 2 |
| | (4) Kutch | 27 |
| | (5) Mehsana | 6 |
| | (6) Rajkot | 23 |
| | (7) Surendra Nagar | 1 |
| **6.** | **HARYANA** | 6 |
| | (1) Faridabad | 6 |
| **7.** | **HIMACHAL PRADESH** | 3 |
| | (1) Kangra | 3 |
| **8.** | **JAMMU & KASHMIR** | 13 |
| | (1) Jammu | 11 |
| | (2) Kathua | 1 |
| | (3) Udhampur | 1 |
| **9.** | **KERALA** | 21 |
| | (1) Alleppey | 4 |
| | (2) Calicut | 6 |
| | (3) Kollam | 10 |
| | (4) Trivandrum | 1 |
| **10.** | **MAHARASHTRA** | 69 |
| | (1) Akola | 19 |
| | (2) Amrawati | 4 |
| | (3) Buldhana | 4 |
| | (4) Dhule | 3 |
| | (5) Jalgaon | 3 |
| | (6) Nanded | 19 |
| | (7) Pune | 14 |
| | (8) Raigarh | 3 |
| **11.** | **MEGHALAYA** | 16 |
| | (1) East Khasi Hills | 4 |
| | (2) West Garo Hills | 6 |
| | (3) West Khasi Hills. | 6 |
| **12.** | **ORISSA** | 43 |
| | (1) Balasore | 4 |
| | (2) Bolangir | 7 |
| | (3) Ganjam | 5 |
| | (4) Kendrapara | 4 |
| | (5) Kalahandi | 3 |
| | (6) Nuapara | 7 |
| | (7) Sambalpur | 3 |
| | (8) Sundergarh | 2 |
| | (9) Subarnapur | 8 |
| **13.** | **PUNJAB** | 25 |
| | (1) Faridkot | 13 |
| | (2) Fatehgarh | 1 |
| | (3) Jallandhar | 3 |
| | (4) Hoshiarpur | 4 |
| | (5) Patiala | 4 |
| **14.** | **RAJASTHAN** | 60 |
| | (1) Barmer | 9 |
| | (2) Bharatpur | 1 |
| | (3) Churu | 10 |
| | (4) Dholpur | 6 |
| | (5) Jaipur | 7 |
| | (6) Jaisalmer | 2 |
| | (7) Jhunjhunu | 15 |
| | (8) Jodhpur | 1 |
| | (9) Karali | 3 |
| | (10) Sawai Madhopur | 6 |
| **15.** | **TAMILNADU** | 58 |
| | (1) Cuddalore | 4 |

| S. No. | State | No. of wells drilled |
|---|---|---|
| | (2) Dindigul | 21 |
| | (3) Perambalur | 1 |
| | (4) Ramanad | 2 |
| | (5) Thiruvarur | 2 |
| | (6) Tanjour | 2 |
| | (7) Vellore | 2 |
| | (8) T.V. Mallai | 24 |
| 16. | UTTAR PRADESH | 48 |
| | (1) Allahabad | 15 |
| | (2) Bhadohi | 2 |
| | (3) Bulandsahar | 2 |
| | (4) Meerut | 6 |
| | (5) Etawah | 3 |
| | (6) Mirzapur— | 9 |
| | (7) Moradabad | 4 |
| | (8) Nainital | 1 |
| | (9) Varanasi | 6 |
| 17. | WEST BENGAL | 29 |
| | (1) Birbhum | 2 |
| | (2) Darjeeling | 1 |
| | (3) Medinipur | 10 |
| | (4) Murshidabad | 9 |
| | (5) Nadia | 7 |
| 18. | MADHYA PRADESH | 60 |
| | (1) Bastar | 8 |
| | (2) Durg | 11 |
| | (3) Jabalpur | 15 |
| | (4) Khandwa | 3 |
| | (5) Narsinghpur | 2 |
| | (6) Rajnand Gaon | 3 |
| | (7) Sarguja | 2 |
| | (8) Sidhi | 2 |
| | (9) Ujjain | 14 |
| 19. | KARNATAKA | 12 |
| | (1) Bellary | 11 |
| | (2) Bidar | 9 |
| | (3) Bijapur | 3 |
| | (4) Dharwad | 17 |
| | (5) Gulbarga | 16 |
| | (6) Hassan | 9 |
| | (7) Kolar | 19 |
| | (8) Mandya | 8 |
| | (9) Raichur | 20 |
| 20. | NCT of Delhi | 17 |
| 21. | UNION TERRITORY | 06 |
| | (1) Chandigarh | 4 |
| | (2) Pondicherry | 2 |

**Statement-Il**

*Details of bore holes to be drilled by CGWB in Gujarat during 1998-99.*

| SI. No. | Name of Districts | No. of bore holes. |
|---|---|---|
| 1. | Sabarkantha.Banaskantha and Gandhi Nagar | 8 |
| 2. | Kutch and Coastal Saurashtra | 20 |
| 3. | Bharuch, Baroda and Surat | 10 |
| 4. | Junagarh | 32 |
| 5. | Mehsana and Ahmedabad | 9 |
| | Total | 79 |

**Periodical Monitoring of Ground Water Resources**

2167. SHRI YEERA NARAYANA-SWAMY: Will the PRIME MINISTER be pleased to state:

(a) whether periodical monitoring is being done for ground water resources in the country;

(b) what is the role of the Central Ground Water Board in conserving ground water resources;

(c) whether any effort has been done to coordinate activities with State Governments in conserving ground water;

(d) what steps are proposed to conserve and preserve the quality of ground water all over the country; and

(e) the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI SOMPAL): (a) Yes, Sir.